

Appendix G: Energy Conservation Measures in Town Buildings

Measure	Status	Energy Data			Financial Data	Reference Data	
Category/Building	Energy Conservation Measure	Status (Completed with month/year or planned Qtr/year)	Projected Annual Electricity Savings (kW/h)	Projected Annual Natural Gas Savings (therms)	Projected Annual Gasoline Savings (gallons)	Source(s) for Net Costs	Source for Projected Savings
Elementary School (Hardy School)	Installation of Energy Management System	Jun-11	20,018	2,270	\$3,561	N/A	Energy Working Group Analysis
High School (Arlington High School)	Replacement of Steam Traps	Mar-11		17,680	\$1,857	N/A	Energy Working Group Analysis
High School (Arlington High School)	Boiler Replacement	Nov-10		66,860	\$7,024	EECBG and Town Capital	Energy Working Group Analysis
High School (Arlington High School)	Motion Light Sensor Installation	Jan-11	63,473		\$10,561	Town Capital Plan	NStar
Elementary School (Hardy School)	Variable Speed Drive Installation	Jun-11		32,540	\$5,402	School Facilities Budget	Johnson Controls
Elementary School (Stratton School)	Boiler Replacement	Jul-11		3,000	\$315	Town Capital Plan	Energy Working Group Analysis

Measure	Status	Energy Data			Financial Data	Reference Data
Rental Property (Parmenter School)	Boiler Replacement	Jun-13	160		\$17	Town Capital Request Energy Working Group Analysis
Various School & Library Buildings	Variable Speed Drive Installation	Mar-13	151,162		\$24,186	NSTAR//AECOM
High School (Arlington High School)-Added	Sixth Floor HVAC Project	Jun-13	290,000		\$48,140	
Rental Property (Gibbs School)	Steam Traps	Jun-12	23,760		\$2,496	Town Capital Plan Energy Working Group Analysis
BUILDINGS SUBTOTAL		557,193	113,730	0	\$103,559	
Street Lights	LED Street Lights	Dec-11	207,123		\$34,382	Town Capital Plan Energy Working Group Analysis
Street Lights - Updated	LED Streetlights	Nov-13	496,230		\$82,374	Town Capital Plan Energy Working Group Analysis

Measure	Status	Energy Data			Financial Data	Reference Data
STREET AND TRAFFIC LIGHTS SUBTOTAL		703,353	0	0	\$0	
WATER/SEWER/PUMPING SUBTOTAL		0	0	0	\$0	
Town Wide Purchase of Fuel Efficient Vehicles	Ongoing			13,704	\$41,112	Town Capital Plan
VEHICLES SUBTOTAL		0	0	13,704	\$41,112	
TOTAL Projected Savings		1,260,546	113,730	13,704	\$144,671	
TOTAL MMBtu SAVINGS	17,373.28	4,300.98	11,373.00	1,699.30		

